



# U.S. EPA National Environmental **Monitoring Technology** **Conference**

**Registration & Agenda**

Hynes Convention Center • Boston, MA  
**September 19 & 20, 2000**



[www.epa.gov/region1](http://www.epa.gov/region1)

# U.S. EPA National Environmental Monitoring Technology Conference

## Overview

This conference promises to be the nation's most comprehensive this year on environmental monitoring and related technologies, programs, and applications. It will include an opening plenary session, dynamic and informative panel sessions, a poster presentation, and an exhibitor hall with more than 150 companies and organizations. The conference will be held in the convenient Hynes Auditorium in the heart of downtown Boston.

Environmental monitoring technology provides us with information that tells us when our beaches are clean, water supplies are safe, back yard soil is lead-free, and air quality is healthful. These technologies assist us in preventing pollution, designing and developing site cleanup strategies and enforcing environmental laws. The ability to manage and share quality environmental information with clients or the public requires integration of our latest and very best technologies. Don't miss this unique opportunity to hear from national experts, learn about the latest available technologies and related government programs, and discover opportunities to apply them to your project or community.

## Keynote Speakers

**Dr. Michael D. King**

**Senior Scientist, Goddard Space Flight Center, NASA**



Michael D. King of Goddard Space Flight Center is Senior Project Scientist of NASA's Earth Observing System (EOS). Dr. King is Adjunct Professor of Atmospheric Science, Department of Oceanography, Dalhousie University (Halifax, Nova Scotia), and was a Visiting Professor in the Department of Atmospheric Sciences, University of Washington, between 1986 and 1987. Dr. King received the B.A. degree in physics from Colorado College in 1971 and the M.S. and Ph.D. degrees in atmospheric sciences from the University of Arizona in 1973 and 1977,

respectively. He joined Goddard Space Flight Center as a Physical Scientist in the Climate and Radiation Branch, Laboratory for Atmospheres, in January 1978.

Dr. King is a Fellow of the American Meteorological Society (AMS), where he served as Chairman of the Committee on Atmospheric Radiation from 1986 to 1988 and Chairman of the 6th Conference on Atmospheric Radiation in 1986. He has been an Associate Editor of the Journal of the Atmospheric Sciences.

In addition, he is a member of the American Geophysical Union (AGU). In 1995 he received an Honorary Doctor of Science degree from Colorado College. He has also received the NASA Exceptional Scientific Achievement Medal in 1992 for outstanding contributions to the development of instrumentation, theory and analysis of remotely sensed satellite and aircraft data, and the NASA Exceptional Service Medal in 1985 for his role as project scientist of the Earth Radiation Budget Experiment. He also received the Goddard Space Flight Center Special Achievement Award in 1983 for estimating the size distribution of the stratospheric aerosol particles resulting from the eruption of the El Chichón volcano based on ground-based remote sensing techniques.

# ntal ference

**September 19 & 20, 2000**

## Who should attend?

This conference will benefit businesses, government agencies, communities, as well as non profit organizations. We welcome all technology vendors and suppliers, industry, federal, state and local agencies, academia and the interested public who have a common interest in forming partnerships to advance the design and use of new environmental monitoring technologies and identify better ways of sharing this information with their clients or the public.

## Who should exhibit?

This conference is designed for all parties who are interested in monitoring environmental conditions and sharing environmental monitoring information with their clients or the public. It is an excellent forum for environmental monitoring and information technology vendors, suppliers, consultants, industry, federal, state and local governments, academia, trade associations and non-profit entities. For a nominal cost and guaranteed traffic in the exhibit hall, you will surely interact with potential clients, partners, and friends.

**John F. McQuillan, Jr.**  
**President & CEO, Triumvirate Environmental and Analine.com**



John F. McQuillan, Jr. is president, CEO, and sole owner of Triumvirate Environmental, an environmental management firm that provides long-term, innovative solutions. After completing just eight weeks working for Clean Harbors, Mr. McQuillan founded Triumvirate Environmental 12 years ago, when he was only 23 years old.

Mr. McQuillan has created and implemented innovative, environmental solutions for colleges and universities such as Harvard University, Yale University, and Massachusetts College of Pharmacy as well as healthcare facilities such as Massachusetts General Hospital, Children's Hospital, and New England Medical Center. In 1999, Mr. McQuillan assisted Beth Israel Deaconess Medical Center in developing and sponsoring the largest mercury roundup program in the Northeast. He plays an active role in the community including philanthropic projects for Habitat for Humanity and Just A Start, a program that was developed to aid teenage mothers in developing life skills.

In addition to founding Triumvirate Environmental, he has recently begun Analine.com, an online marketplace for buying and selling environmental services. Mr. McQuillan is responsible for the company's day-to-day operations, securing strategic relationships, and business development.

Recently, Mr. McQuillan was appointed to the Environmental Business Council of New England's Board of Directors. In addition, he is a certified Healthcare Environmental Manager for the Center for Healthcare Environmental Management. Mr. McQuillan is a regular speaker at management workshops and environmental conferences and holds an AB in biochemistry and government from Bowdoin College in Maine. In 1999, he was the keynote speaker at the National Environmental Career Conference.

**For more information:**

**web:** [www.epa.gov/region1](http://www.epa.gov/region1)  
**phone:** 1-888-EPA-7341  
**fax:** 1-617-484-3192

# Agenda

Day 1 - September 19

8:00-9:00

Registration

9:00-9:15

**Welcoming Remarks: Mindy S. Lubber**

Regional Administrator, EPA New England

9:15-10:00

**Remarks from Conference Sponsors**

**Dr. Denice Shaw**

Director, U.S. EPA EMPACT Program

10:00-10:30

**Coffee Break**

10:30-11:15

**Keynote: Dr. Michael King**

Senior Scientist, Goddard Space Flight Center, NASA

“Insights on how NASA’s Earth Observing System (EOS) Monitors our World Environment”

11:15-Noon

**Keynote: Mr. John McQuillan**

President and CEO of Triumvirate Environmental and Analine.com.

“Meeting Today’s Environmental Monitoring Challenges”

Noon-1:30

**Lunch in Exhibit Hall**

1:30-3:00

**Panel Sessions**

☐ EPA’s EMPACT Program: What is it and What does it do?

☐ EPA’s Environmental Technology Verification Program

☐ EPA’s SBIR Monitoring Success Stories

☐ EPA’s ORD Environmental Monitoring Program

3:00-3:30

**Coffee Break (Exhibit Hall)**

3:30-5:00

**Panel Sessions**

☐ Time-Relevant Water Quality Monitoring

☐ Air Monitoring Needs and Verified Technologies

☐ How to Commercialize Your Technology

☐ Environmental Monitoring Using Remote Sensing and GIS

5:00-7:00

**Poster Presentations and  
Evening Reception (Exhibit Hall)**

Trade show will be open:  
Tuesday - 12 noon to 7pm  
Wednesday - 8:30 to 4pm

Sessions will feature 3-4 technical  
presentations by selected  
experts on each topic

## Day 2 - September 20

### 8:30-10:00 Panel Sessions

- ☐ Applications of Real Time Air Quality Monitoring
- ☐ Technologies to Meet Waste Program Measuring and Monitoring Needs for the 21<sup>st</sup> Century (Part 1)
- ☐ Using the Internet to Communicate Environmental Issues
- ☐ Water Monitoring Needs and Technologies

### 10:00-10:30 Coffee Break (Exhibit Hall)

### 10:30-Noon Panel Sessions

- ☐ Air Particulate Monitoring Methods
- ☐ Technologies to Meet Waste Program Measuring and Monitoring Needs for the 21<sup>st</sup> Century (Part 2)
- ☐ EPA New England's Center for Environmental Industry and Technology: Services and Successes
- ☐ Groundwater Monitoring (ORD)

### Noon-1:30 Lunch in Exhibit Hall

### 1:30 - 3:00 Panel Sessions

- ☐ Environmental Monitoring in Coastal Marine Habitats
- ☐ Application of Technology to Rapid Soil Assessment
- ☐ Environmental Monitoring Technology for the 21<sup>st</sup> Century
- ☐ Innovative Technologies for Managing Data and Data Flows

### 3:00-3:30 Coffee Break (Exhibit Hall)

### 3:30 - 5:00 Panel Sessions

- ☐ Environmental Visualization
- ☐ Innovative Monitoring Technologies for Brownfields Restoration: Needs and Solutions
- ☐ To be announced
- ☐ Information and Website Security Requirements

# Panel Sessions

9/19 • 1:30-3:00

## 1. EMPACT

**Session: EPA's EMPACT Program: What is it and What does it do?**

**Moderator: Dr. Denise Shaw, Director, U.S.EPA EMPACT Program**

The EPA Environmental Monitoring for Public Access and Community Tracking (EMPACT) Program is a Presidential Initiative that is piloting a new approach to working with communities to collect, manage, and present environmental information. The EMPACT Program strives to improve the delivery of accurate, timely, and useful environmental and public health information directly to communities and individuals. To achieve these goals EMPACT is committed to putting the latest technology to work in keeping track of environmental conditions, to present in plain language the information the communities want to know, and to ensure that information is not only accurate but also practical. Empact offers a granting opportunity to all local governments located within the U.S., its territories and tribal governments. This session will present several EMPACT projects as examples of this paradigm, working with communities to provide environmental information to facilitate daily decision making by community residents.

## 2. TECHNOLOGY VERIFICATION

**Session: EPA's Environmental Technology Verification Program**

**Moderator: Penelope Hansen, Director, Environmental Technology Verification Program, Office of Research and Development, U.S. EPA**

EPA's Environmental Technology Verification Program (ETV) verifies the performance of new and innovative private sector monitoring technologies in all media. Over 40 advanced field monitoring devices and a growing list of ambient and source monitors are being evaluated through the program. ETV information allows purchasers and permittees to make appropriate and better informed decisions on the crucial questions of when and how and with what tool to monitor environmental parameters. The stakeholder driven ETV program serves the marketplace by supplying the quality data on the most exciting commercial ready technologies.

## 3. SBIR

**Session: EPA's SBIR Monitoring Success Stories**

**Moderator: Dr. Jim Gallup, EPA SBIR Program Manager**

The Small Business Innovation Research (SBIR) Program was created in 1982 to assist private firms with fewer than 500 employees develop and commercialize new products. Over \$1 billion is provided each year by EPA and 9 other federal agencies through competitive solicitations. Begun in 1982, EPA provides up to \$10 million annually for analytical equipment and environmental monitoring technologies as well as other technologies needed by EPA air, water and waste management programs. This session will highlight 3 small businesses that used EPA SBIR funds to transform innovative monitoring ideas into profit-generating analytical equipment. Businesses will discuss their technologies and how EPA funding helped prove the technical feasibility and accelerate the commercialization of their technology. EPA will describe specific environmental monitoring needs and funding priorities for the 2001 SBIR Solicitation.

## 4. ORD MONITORING PROGRAMS

**Session: EPA's ORD Environmental Monitoring Program**

**Moderator: Dr. John G. Lyon, Director, EPA-ORD/NERL/Environmental Sciences Division**

The EPA/ORD and OEI are involved in a number of efforts to advance monitoring technologies, do the monitoring, and get the information out to decision makers and the public in a timely fashion. Talks focus on these initiatives and how they can serve the Agency and the public.

9/19 • 3:30-5:00

## 5. WATER MONITORING

**Session: Time-Relevant Water Quality Monitoring**

**Leader: Dr. Glenn Patterson, USGS**

This session will examine the latest applications of time-relevant monitoring and communication of water quality information to the public. Discussion will include aspects of beach, river and lake monitoring and communication systems. Case studies will also be presented that utilize state-of-the-art methods and protocols for water quality monitoring.

## 6. AIR

### Session: Air Monitoring Needs and Verified Technologies

**Moderator: Karen Riggs, Battelle, ETV Advanced Monitoring Systems Pilot Partner**

This year, ETV will verify the performance of such important air technologies as mercury CEMs, fine particulate monitors, and optical open path monitors. Representatives from industry, trade associations, and states who serve as stakeholders in ETV's Advance Monitoring program will discuss their air monitoring needs and the technologies being tested to meet those needs. Vendors of air monitoring technologies which are undergoing verification in the ETV program will discuss the capabilities of their technologies and the process being used under the program to show those capabilities.

## 7. COMMERCIALIZATION (SBIR)

### Session: How to Commercialize Your Technology

**Moderator: Dr. Jim Gallup, EPA SBIR Program Manager**

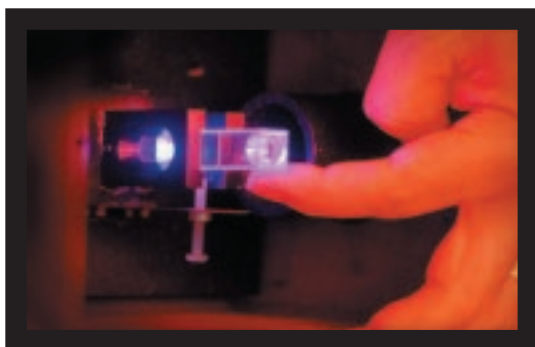
Commercialization is more than finding money. Business planning and commercialization strategies are the keys to successful commercialization at advanced technology firms. This session will feature speakers who have built successful businesses, commercialized products and invested in new technologies. Topics covered include building a commercialization team, targeting the customer, using licensing and strategic alliances, equity investments, leveraging core technologies and protecting your assets. Financing the growth of your business, marketing and finding potential funding sources will be discussed, along with finding professional business services, mentoring, networking and using information sources to make money with your technology.

## 8. REMOTE SENSING (EPA-ORD LABS)

### Session: Environmental Monitoring Using Remote Sensing and GIS

**Moderator: Ross S. Lunetta, ORD/NERL/Environmental Sciences Division**

Monitoring efforts at the landscape scale make use of data inputs from advanced and operational remote sensors. Subsequent processing, analyses and melding of data with GIS technologies allows for detailed results and modeling of phenomena. The combination of these technologies and modeling allows for effective monitoring results.



**9/20 • 8:30-10:00**

## 9. AIR (OZONE)

### Session: Applications of Real Time

#### Air Quality Monitoring

**Moderator: Richard Wayland, EPA Office of Air Quality, Planning and Standards**

This session will examine some successful applications of real time air quality monitoring technologies implemented in and by local communities. Discussion will include ground level ozone monitoring, toxics, UV protocols for measurement and protection for children's public health, and future trends in air quality monitoring.

## 10 & 14. INFORMATION SYSTEMS/21m<sup>2</sup> (TIO)

### Session: Technologies to Meet Waste Program Measuring and Monitoring Needs for the 21<sup>st</sup> Century, Part 1

**Moderator: Dan Powell, EPA's Technology Innovation Office**

Through its implementation of a wide variety of waste related programs, EPA's Office of Solid Waste and Emergency Response and the communities regulated by these programs face a broad array of requirements for monitoring and measuring environmental conditions and contaminants. Whether its characterizing waste sites under the Superfund program, monitoring the potential for dangerous releases in emergency situations, determining the constituents in waste streams under the Resource Conservation and Recovery Act (RCRA), rapidly assessing sites for redevelopment under the Brownfields

(cont. on next page)



## Panel Sessions (cont.)

program, detecting leaks in underground storage tanks, or monitoring the performance of clean-up activities and treatment processes in all programs, the needs for cost effective, time sensitive, and environmentally protective monitoring and measurement technologies are numerous.

These two panels will outline perceived technology needs and provide information on activities underway through the Monitoring and Measurement Technologies for the 21st Century (21M<sup>2</sup>) initiative. The first panel will highlight a variety of projects underway to promote the development and acceptance of new monitoring technologies and methods. The second will demonstrate several new resources (electronic, Internet) to improve monitoring capabilities, enhance technology understanding, and promote a more favorable climate for the development of new technologies.

### 11. COMMUNICATION/INTERNET

**Session: Using the Internet to Communicate Environmental Issues**

**Moderator: Richard Huffine, Information Management Specialist, Information Access Division, U.S. EPA Office of Environmental Information**

The Internet is more than a browser accessing static information collections. As the public begins to use the Internet for day-to-day communications and making decisions, Internet resources must keep pace with expectations. EPA's Internet Webmaster will address the capacity and methods of utilization currently employed in the Agency. In addition, the contractor responsible for updating the top-level Web site information will address timeliness as well as the burden inherent in responding to public requests for information via e-mail. Finally, an EPA Webmaster will address the complexities of managing public needs with internal communication objectives.

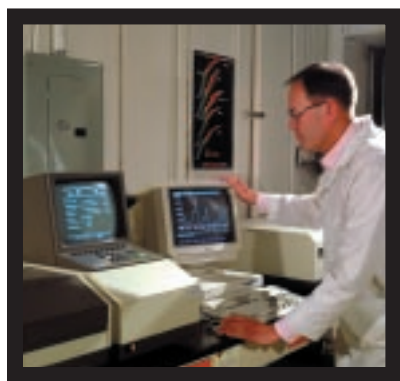
### 12. WATER

**Session: Water Monitoring Needs and Technologies**

**Moderator: Steve Maxwell, Techknowledgey Strategic Group, U.S. EPA, Environmental Technology Verification Program**

Regulatory drivers for water monitoring will be discussed by state and federal regulator(s). Representatives from industry, environmental groups, trade associations, and other organization(s) serving as stakeholders in the U.S. EPA's ETV program will discuss their water monitoring needs and programs. Vendor(s) of water monitoring technologies that are undergoing verification in EPA's ETV program will discuss the capabilities of their technologies and their applicability for meeting various monitoring needs.

**9/20 • 10:30-Noon**



### 13. AIR - PARTICULATE MATTER

**Session: Continuous Air Particulate Monitoring Methods**

**Moderator: George Allen, Environmental Science and Engineering Dept., Harvard School of Public Health**

This session will review several methods capable of measuring PM<sub>2.5</sub> on an hourly basis. The need for stable and reasonably artifact free short-term (hourly) PM<sub>2.5</sub> monitoring methods is of increasing importance to EPA and state/local air pollution monitoring agencies; programs such as EMPACT and EPA's Correlated Acceptable Continuous (CAC) monitoring effort are (by definition) sampling in mobile-source dominated urban sampling locations where semi-volatile mass can create significant sampling errors. Two new instruments presently in use in

EMPACT projects (the RAMS and CAMM methods) that address this problem will be discussed, as well as established instruments such as the TEOM and BAM. These methods are all very different in their approach to continuous PM measurements, and can report substantially different values from each other in urban areas, especially on an hourly time scale. The relative differences in the data produced by these methods and the Federal Reference Method (FRM) for PM<sub>2.5</sub> (a traditional filter sample-based method) will be discussed, as will the limitations of the PM<sub>2.5</sub> FRM sampler itself.



#### 14. INFORMATION SYSTEMS/21<sup>st</sup> (TIO)

**Session: Technologies to Meet Waste Program Measuring and Monitoring Needs for the 21<sup>st</sup> Century, Part 2 (Please refer to Session 10)**

#### 15. CEIT SERVICES AND SUCCESSES

**Session: EPA New England's Center for Environmental Industry and Technology: Services and Successes**

**Moderator: Maggie Theroux-Fieldsteel, Director of the CEIT, EPA New England**

EPA New England created the Center for Environmental Industry and Technology to be a window to resources, people, and programs for the environmental technology industry, and to promote the acceptance of innovative environmental technologies. Through extensive collaboration and networking, the Center offers services to provide the following: access to government programs, access to technology demonstration sites and testing, and assistance in overcoming regulatory and institutional barriers. This session will provide an opportunity to learn about the Center's services both from staff and stakeholders.



#### 16. GROUNDWATER MONITORING (ORD)

**Session: Ground Water Monitoring Needs and Technologies**

**Moderator: Stephen Schmelling, U.S. EPA Director of Research, Subsurface Protection and Remediation Division, National Risk Management Research Laboratory**

This session will examine some of the latest innovative approaches for doing time-relevant groundwater monitoring and include successful applications of field tested approaches. The session will also highlight some of the groundwater monitoring research and development SOTA that is on-going with EPA's National Risk Management Laboratory and at the U.S. Geological Survey.

**9/20 • 1:30 - 3:00**

#### 17. MARINE MONITORING

**Session: Environmental Monitoring in Coastal Marine Habitats**

**Moderator: Mark Tedesco, Director, EPA Long Island Sound Office**

This session will provide case studies that apply new technologies to characterize, integrate, and communicate coastal marine water quality in real time. Presenters will emphasize technologies and approaches to characterizing eutrophication, pathogens, toxic contamination, and other impairments and compare the current costs of these systems with their potential benefits.

#### 18. SOIL MONITORING

**Session: Application of Technology to Rapid Soil Assessment**

**Moderator: Robert Maxfield, Chief, Investigations and Analysis, U.S. EPA New England Regional Laboratory**

Case studies of applying new technologies to characterize, integrate, and communicate soil contamination in real time will be presented. Adaptation of existing technology to nontraditional applications and repackaging of laboratory instrumentation for field use offers innovative solutions to meeting the need for environmental information. Presenters will emphasize new approaches to characterization of impacted soils that provide cost and time benefits to the investigator and the impacted public.

#### 19. TECHNOLOGY INTO THE 21<sup>st</sup> CENTURY (CEIT)

**Session: Environmental Monitoring Technology for the 21<sup>st</sup> Century**

**Moderator: Gina McCarthy, Assistant Secretary for Pollution Prevention and Environmental Technology, Mass. Executive Office of Environmental Affairs**

Technology innovation is indispensable for achieving national and international environmental goals. This seminar will highlight the environmental monitoring technology needs for the 21<sup>st</sup> Century. It is intended to provide assistance to the environmental technology industry by defining future business opportunities through a better understanding of technology trends, needs, and gaps in the monitoring field.

(cont. on next page)

## Panel Sessions (cont.)

### 20. DATA MANAGEMENT

**Session: Innovative Technologies for Managing Data and Data Flows**

**Moderator: David Fulker, Director of the Unidata Program,  
University Corporation for Atmospheric Research**

Program session will focus on technologies that facilitate acquiring and using environmental monitoring data, retrospectively and in real time. Topics include: accessing the EPA's data holdings; using the Internet for real-time, event-driven data management; and using middle-ware and client-server methods to simplify accessing heterogeneous data collections.

**9/20 • 3:30 - 5:00**

### 21. ENVIRONMENTAL VISUALIZATION

**Session: Environmental Visualization**

**Moderator: Jim Thomas; Chief Scientist Information Technology Battelle PNNL and  
Editor in Chief for IEEE Computer Graphics and Applications**

Environmental visualization is more than just a pretty picture. It provides the human understanding and interaction with complex information-intensive analysis situations. This environmental visualization science has gone beyond traditional scientific visualization to a much broader field of information visualization. One can now visually analyze all the metadata, scientific documents, environmental policies, video samples, along with the traditional environmental monitoring sampling. This more closely emulates a public decision making process. We very seldom simply make decisions based on a collection of environmental samples projected on a geospatial framework. The policies, the scientific base, the public opinions, the environment policies, and the collected data are all part of most environmental solutions. This session will provide the latest advances and trends in information technology enabling broad visual analysis, information visualization, with scientific and environmental visualization.

### 22. SOIL

**Session: Innovative Monitoring Technologies for Brownfields Restoration:  
Needs and Solutions**

**Moderator: Dr. Roger A. Jenkins, Oak Ridge National Laboratory,  
ETV Site Characterization and Monitoring Technologies Pilot Partner**

New technologies for characterization and monitoring activities at Brownfields sites promise to result in substantial cost savings, especially in the time required to make clean up decisions. But are these technologies being used to the greatest benefit? Is the user community adequately aware of strides made in moving analyses from the laboratory to the field, with all the attendant benefits? Do major needs in field technology still exist? Issues such as these will be discussed by a panel of experts from the technology vendor, user and regulator community participating in ETV's monitoring program.

### 23. TO BE ANNOUNCED-DAY OF SHOW

### 24. DATA SECURITY

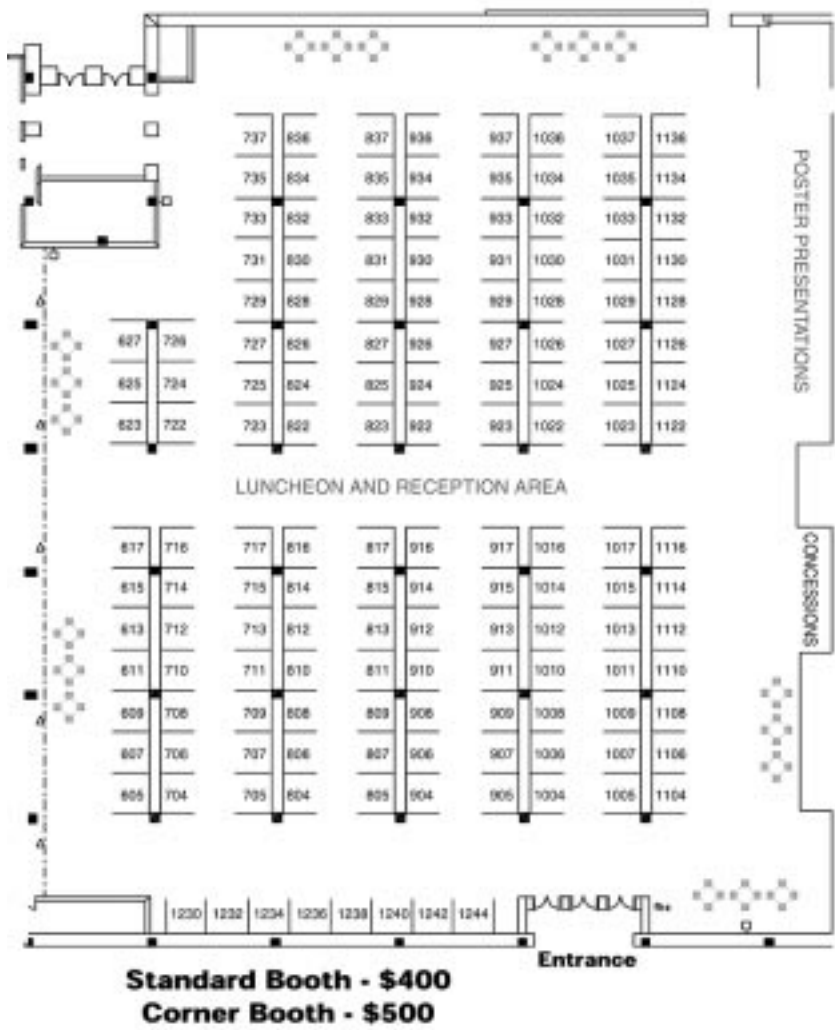
**Session: Information and Website Security Requirements**

**Moderator: John Shirey, Computer Specialist, EPA's Office of Environmental  
Information**



Information security and "cybercrime" are hot topics today. What are the implications for Websites delivering real-time and dynamic data to the public? What "best practices" can be employed to ensure the integrity and availability of this data? What are the real vulnerabilities and threats? What policies are necessary to minimize the risks? What technologies can be cost-effectively implemented to achieve information security with "optimum risk?" As we move to "Info-Portals" involving shared data access, what additional measures must be implemented to achieve the necessary trust model for current and future environmental initiatives?

# Hynes Convention Center Exhibit Hall Floor Plan



Each booth measures 10 ft. wide by 9 ft. deep. Booth space includes carpet, side rails, standard ID sign and two passes to the conference. Booth space is assigned on a first come-first served basis. Confirmation and booth space number will be sent UPS with exhibitor kit containing details on hotels, tables, chairs, electrical and telephone/internet lines.

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Hynes Convention Center • Boston, MA

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**September 19 & 20, 2000**



For more info call:  
EPA New England  
1-888-EPA-7341  
(outside New England 1- 617-918-1111)

Visit [www.epa.gov/region1](http://www.epa.gov/region1)  
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# Conference Sponsors

- **EPA's Environmental Monitoring Public Access and Community Tracking (EMPACT)**  
[www.epa.gov/empact](http://www.epa.gov/empact)
- **EPA New England**  
[www.epa.gov/region1](http://www.epa.gov/region1)
- **EPA's Environmental Technology Verification (ETV) Program**  
[www.epa.gov/etv](http://www.epa.gov/etv)
- **EPA's Small Business Innovative Research (SBIR) Program National Center for Environmental Research**  
[es.epa.gov/ncerqa/sbir/program](http://es.epa.gov/ncerqa/sbir/program)
- **EPA's National Exposure Research Laboratory (ORD-NERL)**  
[www.epa.gov/nerl](http://www.epa.gov/nerl)
- **EPA's Office of Solid Waste and Emergency Response and Technology Innovation Office**  
[www.epa.gov/swertio1](http://www.epa.gov/swertio1)
- **EPA New England's Center for Environmental Industry and Technology (CEIT)**  
[www.epa.gov/region1/steward/ceit](http://www.epa.gov/region1/steward/ceit)
- **Environmental Business Council of New England**  
[www.ebc-ne.org](http://www.ebc-ne.org)
- **Boston University School of Public Health**  
[www.bumc.bu.edu/sph](http://www.bumc.bu.edu/sph)

## Poster Presentation Information:

On a first come first serve basis, we are providing (free) poster boards with tables for 80 poster presentations. Poster must have an environmental monitoring theme that incorporates either field verification, real time measurement, communication with the public, or state-of-the-art data management. Please refer to the panel session descriptions to better understand the scope of the conference. If you are interested in submitting a poster please send an e-mail with your name, address, telephone number, poster title and abstract to Robert Hillger, Senior Science Advisor, U.S. EPA at ([Hillger.Robert@epa.gov](mailto:Hillger.Robert@epa.gov)). If your poster is selected, you will receive a confirmation e-mail and a letter with instructions within 7 days.

# Hotel & Travel Information

**Hynes Convernion Center, 900 Boylston Street, Boston, MA 02115**

**Subway:** Take the Green Line (B, C, or D train) to the **Hynes Convention Center/ICA** stop (.85¢).

**Driving:** Take Rte. 93N to Exit 18 on the left (Massachusetts Avenue/Roxbury).

Take a right onto Massachusetts Avenue. After 1.25 miles, turn right onto Boylston St.

The Hynes Convention Center entrance is on the right.

For more information:

Massachusetts Bay Transportation Authority's Traveler Information Center

1-617-222-3200 or visit their web site at [www.mbta.com](http://www.mbta.com).

Hynes Convention Center

1-617-954-2000 or visit their web site at [www.civic-center.com/mcca\\_prop/hynes](http://www.civic-center.com/mcca_prop/hynes)

## Boston Area Visitor Information

[www.bostonusa.com](http://www.bostonusa.com)

[www.digitalcity.com/boston](http://www.digitalcity.com/boston)

[www.boston.sidewalk.citysearch.com](http://www.boston.sidewalk.citysearch.com)

[www.theinsider.com/boston](http://www.theinsider.com/boston)

## Hotel/Lodging Information

[www.reservation-services.com](http://www.reservation-services.com)

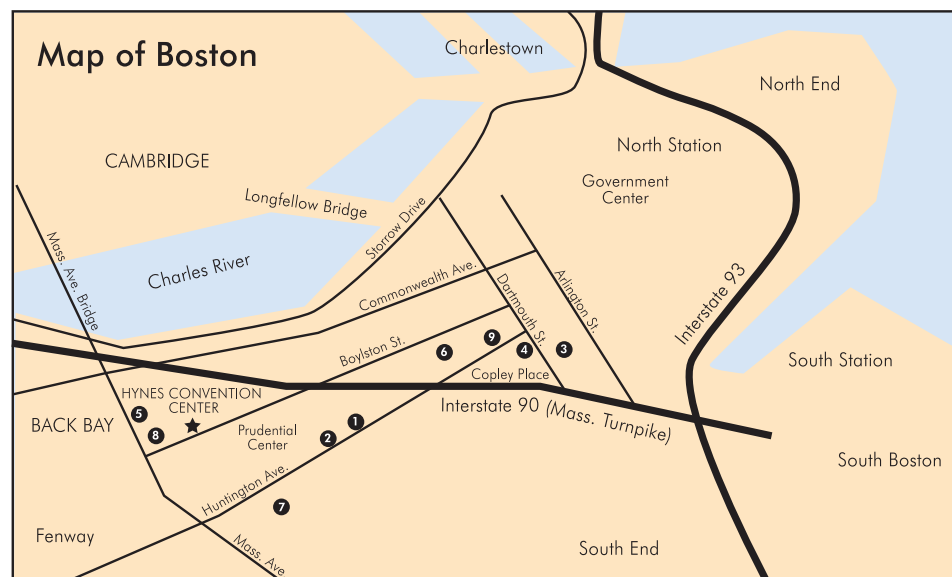
[www.boston4less.com](http://www.boston4less.com)

[www.boston-bnbagency.com](http://www.boston-bnbagency.com)

[www.priceline.com](http://www.priceline.com)

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|---|--|--|
| <b>1</b> Boston Marriott<br>(Copley Place)<br>110 Huntington Ave.<br>Boston, MA<br>617-236-5800 | <b>4</b> Westin Hotel<br>10 Huntington Ave.<br>Boston, MA<br>617-262-9600        | <b>7</b> Midtown Hotel<br>220 Huntington Ave.<br>Boston, MA<br>617-262-1000      |
| <b>2</b> Colonnade<br>120 Huntington Ave.<br>Boston, MA<br>617-424-7000                         | <b>5</b> The Hilton<br>(Back Bay)<br>40 Dalton St.<br>Boston, MA<br>617-236-1100 | <b>8</b> Sheraton<br>(Prudential)<br>39 Dalton St.<br>Boston, MA<br>617-236-2000 |
| <b>3</b> Copley Plaza<br>138 St. James<br>Boston, MA<br>617-267-5300                            | <b>6</b> Lenox Hotel<br>710 Boylston St.<br>Boston, MA<br>617-536-5300           | <b>9</b> Copley Square Hotel<br>47 Huntington Ave.<br>Boston, MA<br>617-536-9000 |

\*For Government Employees ONLY: The GSA Premier lodging service will be blocking off about three hundred rooms at government rate. Please see our website ([www.epa.gov/region1](http://www.epa.gov/region1)) for updates and details. Non government-participants can reserve rooms at any Boston hotels.



# Attendee Registration Information

☐ **YES!**

Register me for the U.S. EPA National Environmental Monitoring Technology Conference!

All information must be filled out completely. One name per form. Please make additional copies as needed.

**1**  
**FAX**  
(credit card only)  
**1-617-484-3192**

**2**  
**MAIL**  
NEMTC Registration  
Environmental Business Council  
333 Trapelo Road  
Belmont, MA 02478

**3**  
**ONLINE**  
[www.epa.gov/region1](http://www.epa.gov/region1)

Deadline: Registrations must be made on or before September 11, 2000. After September 11<sup>th</sup>, the Registration fee is \$150 per person and you **MUST** register on-site at the Hynes Convention Center.

Name \_\_\_\_\_  
Title \_\_\_\_\_  
Company/Organization \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

## Registration Fee:

Registration for the conference includes admission to the entire conference for two days, including plenary and panel sessions, trade show exhibit hall, lunch for both days and the evening reception on September 19<sup>th</sup>.

<b>Attendee Registration:</b>	<b>On or before September 11, 2000</b> <b>\$100 per person</b>	<b>On-site Registration</b> <b>\$150 per person</b>
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## Payment:

Payment accepted in check or credit card form. Payment must accompany this order and be mailed *no later than* September 11, 2000. Cancellation requests must be received in writing before September 11<sup>th</sup> and will incur a \$25 processing fee.

☐ Check number # \_\_\_\_\_ for \$ \_\_\_\_\_

Checks should be made payable to  
the "Environmental Business Council."

☐ Charge \$ \_\_\_\_\_ ☐ Visa ☐ Mastercard ☐ American Express

Name on Card \_\_\_\_\_

Card Number \_\_\_\_\_

Exp. Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Signature \_\_\_\_\_

Do not duplicate this form by mail if you have already registered online or by fax. If you require special assistance covered by the Americans with Disabilities Act, please call the Hynes Convention Center at 1-617-954-2000 by September 11, 2000.

## Vendor Registration:

Please call 1-800-543-5259 or go to [www.epa.gov/region1](http://www.epa.gov/region1) for more information.



1

## 3 easy ways to register FAX, MAIL or ONLINE!

2

3

Deadline: Registrations must be made on or before September 11, 2000. After September 11<sup>th</sup>, the Registration fee is \$150 per person and you **MUST** register on-site at the Hynes Convention Center. Do not duplicate this form by mail if you have already registered online or by fax.

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NEMTC Registration  
Environmental Business Council  
333 Trapelo Road  
Belmont, MA 02478